136243

SEARCH REQUEST FORM   Scientific and Technical Information Center - EIC2800
Rev. 3/15/2004   This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date 10/26/04   Serial # 10/017,730   Priority Application Date _____

Your Name M. Lewis   Examiner # _____

AU 3722   Phone 272-1838   Room 5A30

In what format would you like your results? Paper is the default.   (PAPER)   DISK   EMAIL

Need before 11/10

If submitting more than one search, please prioritize in order of need.

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

10-26-04 P 5:13

Where have you searched so far on this case?
Circle: USPT   DWPI   EPO Abs   JPO Abs   IBM TDB

Other:_____

What relevant art have you found so far? Please attach pertinent citations or
Information Disclosure Statements. _____ US 2003 003 8355 _____

What types of <u>references</u> would you like? Please checkmark:

Primary Refs ____   Nonpatent Literature ___   Other _____
Secondary Refs ___   Foreign Patents ____   _____
Teaching Refs ___   _____

What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search?   Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1-5, 7-10, 21, 23-26, 28-30

Problem: See pages 1-3
Solution: "   "   " 4

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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200469
         (c) 2004  Thomson Derwent
File 344:Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)
         (c) 2004 JPO & JAPIO
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.
File 383:Ei EnCompassPat(TM) (Ontap)
         (c) 2001 Engineering Info, Inc.


Set     Items    Description
S1      183372   MULTILAYER???? OR (MULTI???? OR STACK???)(2W)(LAYER???? OR LEVEL? ? OR
                 CHIP? ? OR PACKAG???? OR TIER???? OR DIE OR DIES OR DICE) OR
                 MULTILEVEL? ? OR MULTIPACKAG???? OR MCM OR MULTICHIP?????? OR SCSP OR
                 CSP OR CSPS OR PIGGYBACK???? OR OR MCM OR MCMS
S2      2635258  NM OR ANG OR ANGS OR ANGST? OR THICK? OR THIN? OR MICRON? OR MU OR MUM
                 OR MILLIMICRO? OR MMU OR DIMEN? OR DISTANCE? OR AA OR NANOMET? OR
                 ULTRATHIN? OR SUPERTHIN? OR VERYTHIN? OR NANOTHICK?
S3      2915866  INSULAT????? OR ADHESIV????? OR SPACE?????? OR SPACING? ? OR
                 SPACERLESS? OR GAP? ?
S4      1378490  IC=(H01L) OR MC=(L04-C? OR L04-F01? OR U11-D? OR U11-E?)
S5      18947    S1 AND S2 AND S3
S6      6797     S1 AND S2 AND S3 AND S4
S7      20444    WIREBOND? OR WIRE(W)BOND????
S8      126      S6 AND S7
S9      44329    EQUIAREA? OR (SAME OR EQUAL OR SIMILAR?)(2N)(AREA? OR SIZE?)
S10     2        S8 AND S9
S11     18075    BOND?(2N)PAD? ?
S12     5        S6 AND S11 AND S9 NOT S10
```

File 342:**Derwent Patents Citation Indx** 1978-04/200465
          (c) 2004 Thomson Derwent

S2   2   PN=US 2003042615 + PN=US 6777789
                                    (cited in Derderian, US 20030038355)
? map pn t ex
                1   PN=US 2003042615
                1   PN=US 6777789
                2   PN=US 2003042615 + PN=US 6777789
S2   2   Serial: TD447
? map ct t ex /pn=
S3   250   Serial: *TD467*
? map anpr t s3

File 350:**Derwent WPIX** 1963-2004/UD,UM &UP=200469
          (c) 2004 Thomson Derwent

Set	Items	Description
S1	848	Serial: *TD467*
S2	120612	MULTILAYER???? OR (MULTI???? OR STACK???)(2W)(LAYER???? OR LEVEL? ? OR CHIP? ? OR PACKAG???? OR TIER???? OR DIE OR DIES – OR DICE) OR MULTILEVEL? ? OR MULTIPACKAG???? OR MCM OR MULTIC-HIP??????? OR SCSP OR CSP OR CSPS OR PIGGYBACK???? OR...
S3	1592921	NM OR ANG OR ANGS OR ANGST? OR THICK? OR THIN? OR MICRON? – OR MU OR MUM OR MILLIMICRO? OR MMU OR DIMEN? OR DISTANCE? OR – AA OR NANOMET? OR ULTRATHIN? OR SUPERTHIN? OR VERYTHIN? OR NA-NOTHICK?
S4	1839979	INSULAT????? OR ADHESIV????? OR SPACE?????? OR SPACING? ? – OR SPACERLESS? OR GAP? ?
S5	787479	IC=(H01L) OR MC=(L04-C? OR L04-F01? OR U11-D? OR U11-E?)
S6	**9**	**S1 AND S2 AND S3 AND S4 AND S5**

```
SET ABB=ON   PLU=ON
     INDEX 'HCAPLUS, INSPEC, COMPENDEX, SCISEARCH, PASCAL, ELCOM, ENERGY,
     AEROSPACE, DISSABS, METADEX, ANTE, NTIS, CEABA-VTB, CONFSCI, EMA, ENTEC,
     FEDRIP, RDISCLOSURE, SIGLE, SOLIDSTATE' ENTERED AT 15:09:38 ON 01 NOV 2004
L1              QUE MULTILAYER#### OR (MULTI#### OR STACK###)(2W)(LAYER#### OR LEVEL#
                   OR CHIP# OR PACKAG#### OR TIER#### OR DIE OR DIES OR DICE) OR
                   MULTILEVEL# OR MULTIPACKAG#### OR MCM OR MULTICHIP####### OR SCSP OR
                   CSP OR CSPS OR PIGGYBACK#### OR MCM OR MCMS
L2              QUE NM OR ANG OR ANGST? OR THICK? OR THIN? OR MICRON? OR MU OR MUM OR
                   MILLIMICRO? OR MMU OR DIMEN? OR DISTANCE? OR AA OR NANOMET? OR
                   ULTRATHIN? OR SUPERTHIN? OR VERYTHIN? OR NANOTHICK?
L3              QUE INSULAT##### OR ADHESIV##### OR SPACE###### OR SPACING# OR
                   SPACERLESS? OR GAP#
L4              QUE EQUIAREA? OR (SAME OR EQUAL OR SIMILAR? OR EQUI)(2N)(AREA? OR
                   SIZE?)
L5              QUE WIREBOND? OR WIRE(W) BOND####
L6              QUE L1 AND L2 AND L3 AND L4 AND L5
L7              QUE L1 AND L2 AND L3 AND L4
L8              QUE IC OR ICS OR ((INTEGRATED OR LOGIC)(W)(CIRCUIT#)) OR
                   (MICRO)(W)(ELECTRONIC? OR CIRCUIT# OR CHIP#) OR CHIP# OR MICROCIRCUIT#
                   OR DIE# OR WAFER# OR MICROELECTRONIC OR DICE OR SEMICONDUCT#### OR
                   SEMI(W) CONDUCT? OR (B2220 OR  B2570)/CC OR FLIPCHIP#
L9              QUE L7 AND L8
L10             QUE L2(3N) L3 AND L7


     FILE 'INSPEC, SCISEARCH, RDISCLOSURE, HCAPLUS, PASCAL, COMPENDEX,
     AEROSPACE, ELCOM, DISSABS' ENTERED AT 15:30:53 ON 01 NOV 2004
L11         59 S L9
L12         25 S L10
L13         40 S L11 NOT P/DT NOT PY>2001
L14          8 S L12 NOT P/DT NOT PY>2001
L15         28 DUP REM L13 L14 (20 DUPLICATES REMOVED)
L16         10 S (L11 OR L12) AND P/DT
L17         10 DUP REM L16 (0 DUPLICATES REMOVED)
```